ABSTRACTS

Soaps

Edited by M. L. SHEELY

(and) maleic anhydride, with succinic or citric acid or with tartaric acid monohydrate. Air-drying resins are produced if part of the polybasic acids which should comprise phthalic acid (II) or I is replaced by air-drying acids, e.g., eleostearic, linoleic, or linolenic acids or chinawood, linseed, menhaden or perilla oil fatty acids. Oil-modified resins are produced where the polybasic acid comprise II or I and part thereof is replaced by a monobasic, semi- or non drying acid, preferably contg. at least 12 C atoms and not more than I double bond, e.g., lauric, myristic, oleic palmitic, recinoleic or stearic acids, lard or tallow fatty acids, castor, coconut, cottonseed, maize, olive or soybean oil fatty acids. Among examples, sorbitol is condensed with I and oleic or ricinoleic acid. The products, with or without other materials, e.g., cellulose derivs., solvents, plasticizers, colors, may be used in coating compns. impregnants, binders, adhesives, insulating material or molding compns.

FATTY ACID SALTS. Raymond Vidal. *Fr. 838,279.* A fatty acid is caused to react with an alkali carbonate in a dimixt, with an alkali sulfite or bisulfite, the proportion of alkali carbonate being at least 1 mol. to each mol. of fatty acid. Sulfite carbonic derivs. of oleic acid or other fatty acid are obtained. The products may be used for washing and bleaching textiles, for removing wool from sheep skins, and scouring silk.

LACQUERS. Fritz Seebach to Bakelite Ges. m.b.H. *Ger. 678,366.* A phenol-aldehyde resin is heated with a fatty oil, e.g., wood oil, and an org. acid, e.g., a resin acid or fatty acid or a sulfonic acid having a dispersing action, and the mixt. is stirred into alk. water, which may contain a stabilizing agent, e.g., glue or casein. Pigments, plasticizers, natural resins and other appropriate substances may be added at any stage. Examples are given.

HOUSEHOLD DETERGENT. Colgate-Palmolive-Peet Co. *Can. 383,985.* A product suitable for use as a domestic detergent is formed by causing 1 molecular proportion of fatty oil to react with 2 molecular proportions of anyhdrous glycerine and an excess over 3 molecular proportions of fuming sulfuric acid. The quantity and strength of sulfuric acid should be such that the concentration of excess sulfuric acid will be about 99.3%.

GLYCERYL OLEO STEARATE. Frank Atkins to Tokalon, Ltd. *Brit. 511,827.* A mixture of dairy cream, olive oil and pancreatin, preferably slightly warmed, is treated with an alkaline bicarbonate and heated. After the resulting effervescence has subsided, the desired and improved cosmetic ingredient will be found as a highly aerated or spongy mass on the top of the mixture, from which it can be removed if desired. The process is carried out in a single stage.

The resulting product, "glyceryl oleo stearate," will consist mainly of the glyceryl esters of stearic, oleic, palmitic, myristic, and other fatty acids which are present in the cream and olive oil, and which are obtained in a form suitable for incorporation in face creams and similar cosmetic products without further treatment, also in face powders.

PROCESS FOR MAKING PROTECTIVE COATING AND PRODUCT THEREOF. Jean Paul Crouet and Kam Nath Kathju to Weeks and Company. *Brit. 502,797.* A process for making a pigmented base material for protective coatings, wherein the pigment particles shortly after being enveloped in a monomolecular layer of a fatty acid or an ester of an acid are incorporated in a natural or synthetic resinous product which is neutral or practically neutral, soluble in the solvents of cellulose lacquers, synthetic enamels, enamel paints and the like, or a non-drying type and non-hygroscopic in order to protect the monomolecular layer from oxidation or destruction.

WASHING AGENT. Kurt Jochum, Herman Geier and Karl Pauser to General Aniline Works. *U. S. 2,159,381.* A washing agent composed of sodium pyrophosphate and fatty acid taurides.

PREPARING A RUBBER DISPERSION FROM LATEX. Nicolaas Hendrik van Harpen to Algemeene Vereeniging Van rubberplanters ter Oostkust van Sumatra. *U. S. 2,161,731.* The process of preparing a concentrated rubber dispersion from latex, comprising mixing the latex with a dispersion of a colloid in a soap solution and centrifuging the mixture whereby the lighter cream layer is separated from the heavier layer of the under latex.

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